

10/572,794

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1202txn

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	5	AUG 24	CA/CAPplus enhanced with legal status information for U.S. patents
NEWS	6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS	8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS	9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS	10	NOV 23	Addition of SCAN format to selected STN databases
NEWS	11	NOV 23	Annual Reload of IFI Databases
NEWS	12	DEC 01	FRFULL Content and Search Enhancements
NEWS	13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS	14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS	15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS	16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,  
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN customer agreement. This agreement limits use to scientific research. Use for software development or design, implementation of commercial gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges and other penalties.

10/572,794

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:49:13 ON 10 DEC 2009

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 10:49:23 ON 10 DEC 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 DEC 2009 HIGHEST RN 1196786-45-4

DICTIONARY FILE UPDATES: 9 DEC 2009 HIGHEST RN 1196786-45-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

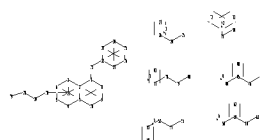
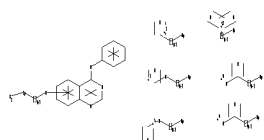
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10572794.str



chain nodes :

11 18 19 20 24 25 26 27 30 31 32 33 34 37 38 39 40 41 44 45 46  
47 48 51 52 53 54 55 58 59 60 61 62 79

10/572,794

```
ring nodes :
1  2  3  4  5  6  7  8  9  10  12  13  14  15  16  17
chain bonds :
7-11  11-12  18-19  19-20  20-79  24-25  24-26  26-27  30-31  30-32  30-33  33-34
37-38  37-41  38-39  39-40  44-45  45-46  45-48  46-47  51-52  51-54  52-53  53-55
58-59  59-60  59-62  60-61
ring bonds :
1-2  1-6  2-3  2-7  3-4  3-10  4-5  5-6  7-8  8-9  9-10  12-13  12-17  13-14  14-15
15-16  16-17
exact/norm bonds :
7-11  11-12  18-19  19-20  20-79  24-25  26-27  30-31  30-32  30-33  33-34  37-38
37-41  38-39  39-40  44-45  45-48  46-47  51-52  51-54  52-53  53-55  58-59  59-62
60-61
exact bonds :
24-26  45-46  59-60
normalized bonds :
1-2  1-6  2-3  2-7  3-4  3-10  4-5  5-6  7-8  8-9  9-10  12-13  12-17  13-14  14-15
15-16  16-17
isolated ring systems :
containing 1 : 12 :
```

G1:[\*1],[\*2],[\*3],[\*4],[\*5],[\*6]

Hydrogen count :

9:= exact 1

Match level :

```
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom 10:Atom
11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:Atom 23:Atom 24:CLASS 25:Atom 26:CLASS 27:CLASS 30:CLASS 31:CLASS
32:CLASS 33:CLASS 34:Atom 37:CLASS 38:CLASS 39:CLASS 40:Atom 41:CLASS
44:CLASS 45:CLASS 46:CLASS 47:Atom 48:CLASS 51:CLASS 52:CLASS 53:CLASS
54:CLASS 55:Atom 58:CLASS 59:CLASS 60:CLASS 61:Atom 62:CLASS 79:CLASS
```

Generic attributes :

20:

```
Saturation          : Saturated
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : Exactly 1
Type of Ring System   : Monocyclic
```

25:

```
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
```

34:

```
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
```

40:

```
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
```

47:

```
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
```

55:

```
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System     : Monocyclic
```

61:

10/572,794

Number of Carbon Atoms : less than 7  
Number of Hetero Atoms : 2 or more  
Type of Ring System : Monocyclic

Element Count :  
Node 20: Limited  
C,C5  
N,N1

Node 25: Limited  
C,C3  
O,O1  
N,N1

Node 34: Limited  
C,C3  
O,O1  
N,N1

Node 40: Limited  
C,C3  
O,O1  
N,N1

Node 47: Limited  
C,C3  
O,O1  
N,N1

Node 55: Limited  
C,C3  
O,O1  
N,N1

Node 61: Limited  
C,C3  
O,O1  
N,N1

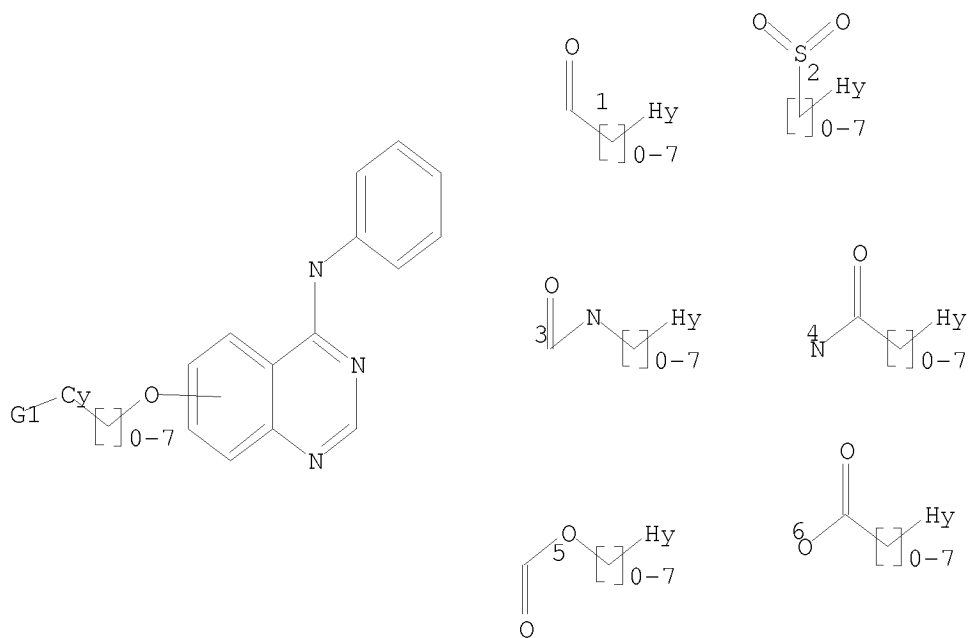
L1 STRUCTURE UPLOADED

=> d L1

L1 HAS NO ANSWERS

L1 STR

10/572,794



G1 [01],[02],[03],[04],[05],[06]

Structure attributes must be viewed using STN Express query preparation.

=> s L1 full

FULL SEARCH INITIATED 10:49:54 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 38995 TO ITERATE

100.0% PROCESSED 38995 ITERATIONS

12 ANSWERS

SEARCH TIME: 00.00.02

L2 12 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

185.88

186.10

FILE 'CAPLUS' ENTERED AT 10:50:02 ON 10 DEC 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 10 Dec 2009 VOL 151 ISS 24  
 FILE LAST UPDATED: 9 Dec 2009 (20091209/ED)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAPLUS now includes complete International Patent Classification (IPC)  
 reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate  
 substance identification.

=> s l2

L3 1 L2

=> d l3 1- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:300441 CAPLUS

DOCUMENT NUMBER: 142:355279

TITLE: A preparation of quinazoline derivatives, useful for  
 prevention or treatment of tumors sensitive to  
 inhibition of ErbB receptor tyrosine kinases

INVENTOR(S): Barlaam, Bernard Christophe; Halsall, Christopher  
 Thomas; Hennequin, Laurent Francois Andre

PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Ltd.

SOURCE: PCT Int. Appl., 139 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005030765	A1	20050407	WO 2004-GB4137	20040922
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004276067	A1	20050407	AU 2004-276067	20040922
CA 2540019	A1	20050407	CA 2004-2540019	20040922
EP 1668006	A1	20060614	EP 2004-768680	20040922
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR			
BR 2004014772	A	20061121	BR 2004-14772	20040922
CN 1882580	A	20061220	CN 2004-80034531	20040922
JP 2007506725	T	20070322	JP 2006-527495	20040922

10/572,794

US 20060287295	A1	20061221	US 2006-572794	20060321
MX 2006003422	A	20060620	MX 2006-3422	20060324
ZA 2006002434	A	20070725	ZA 2006-2434	20060324
ZA 2006002444	A	20070926	ZA 2006-2444	20060324
NO 2006001746	A	20060420	NO 2006-1746	20060420
KR 2006095767	A	20060901	KR 2006-707934	20060424
PRIORITY APPLN. INFO.:			GB 2003-22409	A 20030925
			WO 2004-GB4137	W 20040922

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
OTHER SOURCE(S): CASREACT 142:355279; MARPAT 142:355279  
GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The invention relates to a preparation of quinazoline derivs. of formula I [wherein: one of R1 or R4 is (un)substituted (cyclo)alkoxy group; R2 is H or alkyl; R3 is Ph with 1 to 5 same or different substituents], useful for prevention or treatment of tumors sensitive to inhibition of ErbB receptor tyrosine kinases (antiproliferative agents). For instance, quinazoline derivative II (inhibition of tyrosine kinase protein phosphorylation: IC50 = 14 nM; EGFR driven KB cell proliferation: IC50 = 16 nM) was prepared via amidation of 2-pyridinecarboxylic acid by piperidine derivative III with a yield of 30%.

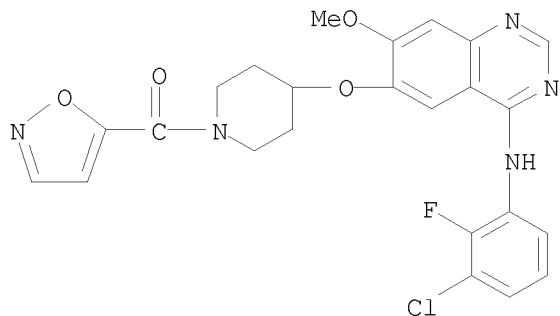
IT 849147-09-7P 849147-11-1P 849147-12-2P  
849147-13-3P 849147-14-4P 849147-15-5P  
849147-16-6P 849147-42-8P 849147-43-9P  
849147-96-2P 849148-12-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of quinazoline derivs. useful as antiproliferative agents)

RN 849147-09-7 CAPLUS

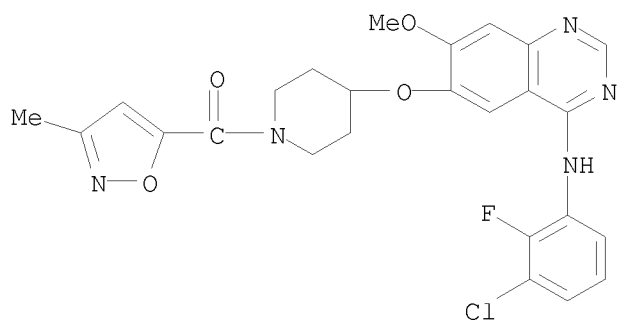
CN Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-piperidinyl]-5-isoxazolyl- (CA INDEX NAME)



RN 849147-11-1 CAPLUS

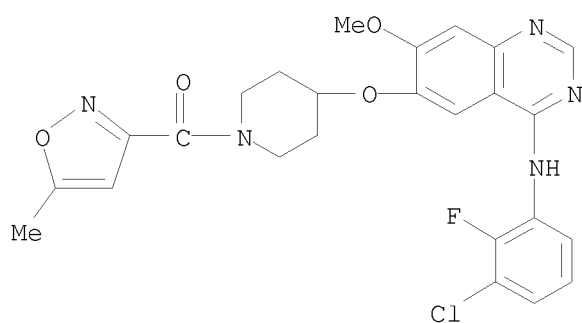
CN Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-piperidinyl](3-methyl-5-isoxazolyl)- (CA INDEX NAME)

10/572,794



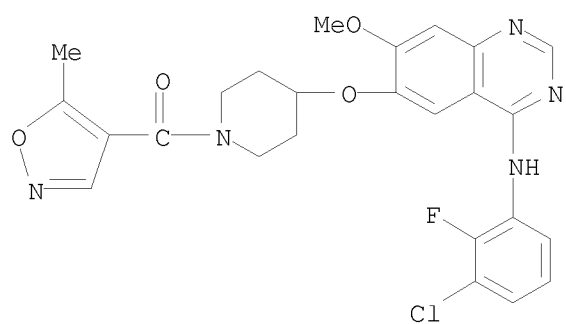
RN 849147-12-2 CAPLUS

CN Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-piperidinyl](5-methyl-3-isoxazolyl)- (CA INDEX NAME)



RN 849147-13-3 CAPLUS

CN Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-piperidinyl](5-methyl-4-isoxazolyl)- (CA INDEX NAME)

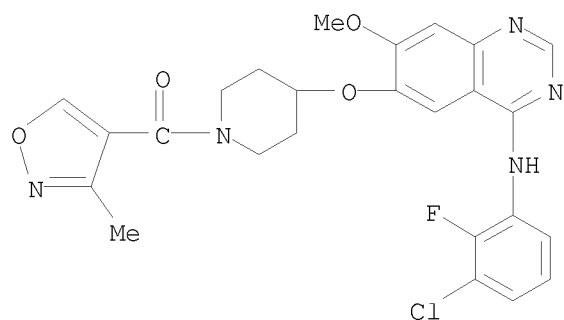


RN 849147-14-4 CAPLUS

CN Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-piperidinyl](3-methyl-4-isoxazolyl)- (CA INDEX NAME)

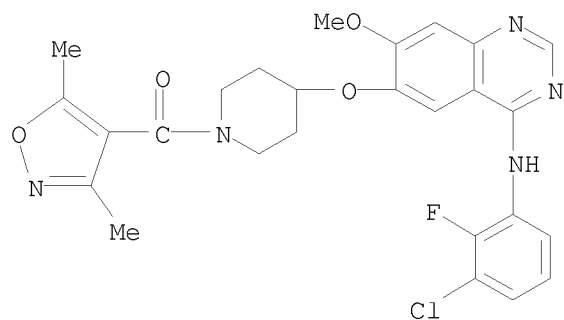


10/572,794



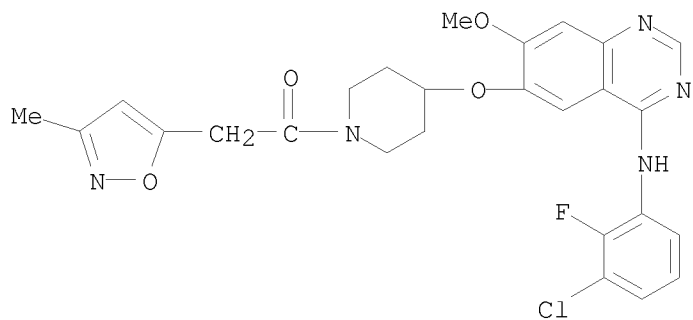
RN 849147-15-5 CAPLUS

CN Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-piperidinyl] (3,5-dimethyl-4-isoxazolyl)- (CA INDEX NAME)



RN 849147-16-6 CAPLUS

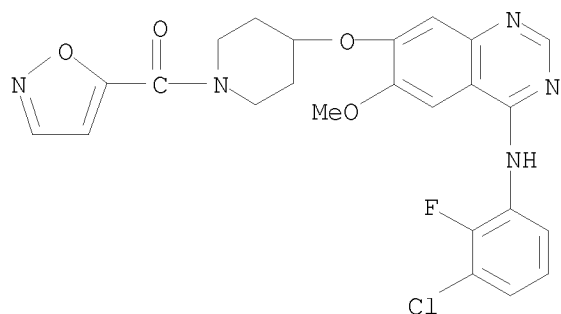
CN Ethanone, 1-[4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-piperidinyl]-2-(3-methyl-5-isoxazolyl)- (CA INDEX NAME)



RN 849147-42-8 CAPLUS

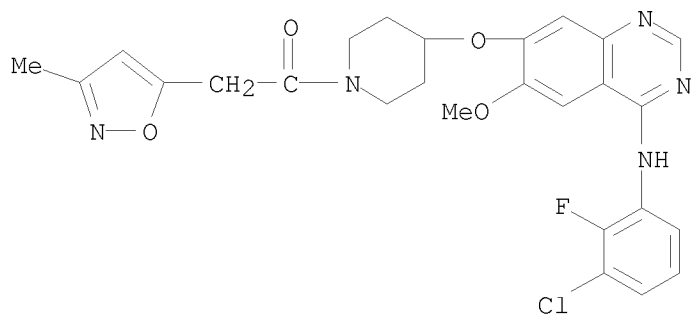
CN Methanone, [4-[[4-[(3-chloro-2-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]oxy]-1-piperidinyl]-5-isoxazolyl- (CA INDEX NAME)

10/572,794



RN 849147-43-9 CAPLUS

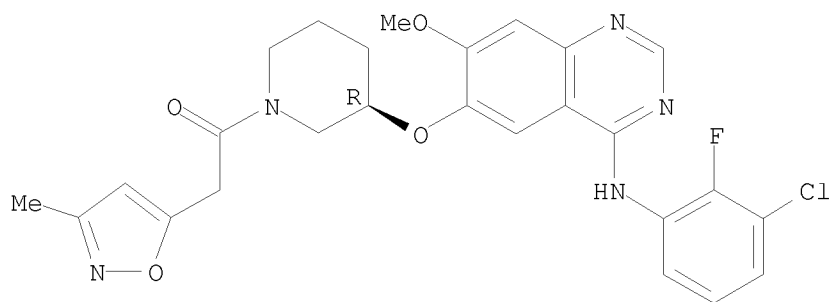
CN Ethanone, 1-[4-[[4-[(3-chloro-2-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]oxy]-1-piperidinyl]-2-(3-methyl-5-isoxazolyl)- (CA INDEX NAME)



RN 849147-96-2 CAPLUS

CN Ethanone, 1-[(3R)-3-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-piperidinyl]-2-(3-methyl-5-isoxazolyl)- (CA INDEX NAME)

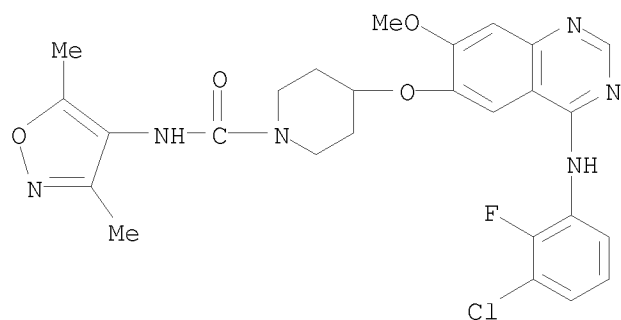
Absolute stereochemistry.



RN 849148-12-5 CAPLUS

CN 1-Piperidinecarboxamide, 4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-N-(3,5-dimethyl-4-isoxazolyl)- (CA INDEX NAME)

10/572,794



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)  
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 10:49:13 ON 10 DEC 2009)

FILE 'REGISTRY' ENTERED AT 10:49:23 ON 10 DEC 2009

L1 STRUCTURE UPLOADED

L2 12 S L1 FULL

FILE 'CAPLUS' ENTERED AT 10:50:02 ON 10 DEC 2009

L3 1 S L2

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

XXXXXXXXXXXXXXXXXXXX

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

-0.82	-0.82
-------	-------

STN INTERNATIONAL LOGOFF AT 10:50:25 ON 10 DEC 2009